

777 Freighter, 747-200 and MD-11F performance summary

		777 Freighter Basic	777 Freighter Maximum ¹	747-200F	MD-11F
Engines		GE90-110B1L	GE90-110B1L	CF6-50E2	CF6-80C2D1F
Boeing equivalent thrust/flat-rated temperature	lb/°F	110,100/92	110,100/92	50,600/86	60,860/86
Maximum taxi weight	kg (lb)	341,100 (752,000)	348,350 (768,000)	379,200 (836,000)	287,120 (633,000)
Maximum takeoff weight	kg (lb)	340,190 (750,000)	347,450 (766,000)	377,840 (833,000)	285,990 (630,500)
Maximum landing weight	kg (lb)	260,810 (575,000)	260,810 (575,000)	285,760 (630,000)	222,940 (491,500)
Maximum zero fuel weight	kg (lb)	248,110 (547,000)	248,110 (547,000)	267,620 (590,000)	209,240 (461,300)
Operating empty weight²	kg (lb)	145,240 (320,200)	145,240 (320,200)	156,630 (345,310)	119,650 (263,795)
Tare weight	kg (lb)	4,990 (11,000)	4,990 (11,000)	5,130 (11,310)	5,035 (11,100)
Fuel capacity	L (U.S. gal)	181,280 (47,890)	181,280 (47,890)	196,970 (52,035)	146,170 (38,615)
Maximum revenue payload	kg (lb)	102,870 (226,800)	102,870 (226,800)	110,990 (244,690)	89,580 (197,505)
Design range (MTOW, MZFW)	nmi (km)	4,540 (8,405)	4,885 (9,045)	3,585 (6,640)	3,620 (6,700)
Cruise Mach		0.84	0.84	0.84	0.83
Takeoff field length (SL, 86°F, MTOW)	m (ft)	3,045 (10,000)	3,305 (10,850)	3,460 (11,350)	3,290 (10,800)
Initial cruise altitude (MTOW, ISA + 10°C)	ft	32,800	32,400	31,700	32,300
Landing field length (MLW)	m (ft)	1,765 (5,800)	1,765 (5,800)	2,100 (6,900)	2,345 (7,700)
Approach speed (MLW)	kias	149	149	152	159
Block fuel					
3,000-nmi trip	kg (lb)	51,570 (113,700)	51,570 (113,700)	77,910 (171,760)	53,520 (118,000)

- Typical mission rules
- Standard day conditions

¹ Highest optional weight; loading restrictions apply above 340,190-kg (750,000-lb) MTOW

² Includes tare weight

777 Freighter and 747-400F/-400ERF performance summary

		777 Freighter	747-400F	747-400ERF
Engines		GE90-110B1L	CF6-80C2B5F	CF6-80C2B5F
Boeing equivalent thrust/flat-rated temperature	lb/°F	110,100/92	62,100/86	62,100/86
Maximum taxi weight	kg (lb)	348,350 (768,000)	398,250 (878,000)	414,130 (913,000)
Maximum takeoff weight	kg (lb)	347,450 (766,000) ¹	396,890 (875,000) ²	412,770 (910,000)
Maximum landing weight	kg (lb)	260,810 (575,000)	295,740 (652,000)	296,190 (653,000)
Maximum zero fuel weight	kg (lb)	248,110 (547,000)	276,690 (610,000)	277,140 (611,000)
Operating empty weight³	kg (lb)	145,240 (320,200)	163,700 (360,900)	164,020 (361,600)
Tare weight	kg (lb)	4,990 (11,000)	5,445 (12,010)	5,445 (12,010)
Fuel capacity	L (U.S. gal)	181,280 (47,890)	203,520 (53,765)	203,520 (53,765)
Maximum revenue payload	kg (lb)	102,870 (226,800)	112,990 (249,100)	113,120 (249,400)
Design range (MTOW, MZFW)	nmi (km)	4,885 (9,045)	4,455 (8,250)	4,980 (9,220)
Cruise Mach		0.84	0.85	0.85
Takeoff field length (SL, 86°F, MTOW)	m (ft)	3,305 (10,850)	3,105 (10,200)	3,335 (10,950)
Initial cruise altitude (MTOW, ISA + 10°C)	m (ft)	32,400	32,700	31,800
Landing field length (MLW)	m (ft)	1,765 (5,800)	2,195 (7,200)	2,180 (7,150)
Approach speed (MLW)	kias	149	157	157
Block fuel				
3,000-nmi trip	kg (lb)	51,570 (113,700)	68,200 (150,360)	68,310 (150,590)

- Typical mission rules

¹ Highest optional weight; loading restrictions apply above 340,190-kg (750,000-lb) MTOW

² Highest available MTOW. Only available with 276,690-kg (610,000-lb) MZFW

³ Includes tare weight